

Calendar

Wednesday, June 29

11:00 a.m. Fermilab ILC R&D Meeting - 1 West

Speaker: V. Kuchler, Fermilab

Title: ILC Conventional Facilities Update

3:30 p.m. DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

4:00 p.m. Fermilab Colloquium - 1 West

Speaker: J.-H. Andersen, University of Michigan

Title: Perception of the Extreme Unseen – From Mathematics to Aesthetic Coherence

Thursday, June 30

2:30 p.m. Theoretical Physics Seminar - Curia II

Speaker: S. Pascoli, CERN

Title: Determining the Neutrino Mass Hierarchy

3:30 p.m. DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

THERE WILL BE NO ACCELERATOR PHYSICS AND TECHNOLOGY SEMINAR TODAY

Weather



Partly Cloudy **89°/71°**

[Extended Forecast](#)

[Weather at Fermilab](#)

Current Security Status

[Secou Level 3](#)

Wilson Hall Cafe

ES&H Installs New Signs to Ensure Safe Cycling Summer

Fermilab users are accustomed to dealing safely with work-related hazards, but ES&H head Bill Griffing says that one of the biggest hazards on site is cyclist/motorist traffic, something that has drawn more attention as the bike-riding season arrives. Motorist complaints and past accidents prompted ES&H to request adding safety reminders to the Illinois Rules of the Road signs at lab entrances. "We are trying to raise awareness that we enforce these rules

to protect cyclists," said Griffing. "It is an attempt to appease both motorists and cyclists."

Griffing added that bike clubs are the biggest problem for motorists. Unable to ride in groups on the smaller bike paths, clubs enjoy the Fermilab grounds by taking to the roads. "This is a facility with actual roadways that can have heavy traffic at times," Griffing said. "We want to encourage recreational use of the facility, but we need to caution motorists as well as cyclists to respect each other's use of the roads."

The new signs remind bikers and motorists to obey the Illinois Rules of the



Posted at main entrances to the site, the signs remind cyclists to obey the Illinois Rules of the Road.

Bicyclists Chase the Moon July 23, 24 at Fermilab



The Chase the Moon Bike Ride offers participants a chance to see Fermilab under the stars. (Click on image for larger version.)

In the early hours of Sunday, July 24, hundreds of bike riders will don helmets and headlights for a midnight ride across Fermilab. The second annual Chase the Moon Bike Ride will begin at the nearby Marmion Academy at 12:01 a.m. and will continue across almost 25 miles of Fermilab roads. Festivities are from 9-11:59 p.m. on Saturday, July 23 at Marmion Academy.

While many of Fermilab's roads are always open to the public, the Chase the Moon ride gives the community a chance to see the prairie under the stars and ride through outdoor areas of the lab that are usually restricted. "There are a number of rides in the Fox Valley area, but Fermilab is a perfect place to ride at night," said Pam Bellm, the ride's founder. "I lived in St. Louis and rode in a late-night bike ride there, and thought it was awesome," she explained. "There is also a night bike ride in Chicago, but I thought there were enough bike riders in the Fox Valley Area to be able to organize a great event right here."

Wednesday, June 29

French Onion Soup

Texas Style Meatloaf Sandwich \$4.85

Grilled Chicken with Black Bean & Corn

Salsa \$3.75

Kielbasa & Sauerkraut \$3.75

Smoked Turkey Panini Pesto Mayo \$4.85

Fettucine Carbonara with Ham &

Mushrooms \$4.85

The Wilson Hall Cafe now accepts Visa, Master Card, Discover and American Express at Cash Register #1.

[Wilson Hall Cafe Menu](#)

[Chez Leon](#) is now open. Call x4512 to make your reservation.

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Road enforced on all public roadways.

This includes simply stopping at stop signs and keeping bikes in single-file when approached from behind by motorists. "It is important to let the public into our facility," said Griffing, "but cyclists have been seriously hurt in collisions with cars in the past." Griffing hopes the signs will ensure safer and more cooperative traffic on the Fermilab roadways.

--Amelia Greene

NREL's John Turner Explores "The Sustainable Hydrogen Economy" in Energy Colloquium Presentation at Fermilab Talk is Free and Open to the Public

Dr. John A. Turner, a principal scientist at the National Renewable Energy Laboratory, will explore issues involved in "The Sustainable Hydrogen Economy"



John Turner

on Wednesday, July 6 at 4 p.m. at the Department of Energy's Fermilab. Turner's presentation, the third and final installment in the Fermilab Colloquium series on world energy issues, will take place in the One West conference room in the Atrium of Wilson Hall. The talk is free of charge and open to the public, and is geared for general audiences.

[read more](#)

--Mike Perricone

In the News

According to the Bill Flaherty of ES&H's Security Division, last year's event presented no problems to the lab. "We don't want any event that is going to be dangerous or interfere with the operations of the lab, and as far as we know, Chase the Moon is not a problem," he said.

Registration for this year's Chase the Moon Bike Ride is [available online](#). The ride will be limited to 500 riders, and each participant will receive a T-shirt, a goodie bag, and a healthy breakfast at the end of the ride. The 25-mile route can be shortened for recreational riders and all funds raised will be donated to the Three Fires Council, Boy Scouts of America.

--Elizabeth Wade

Announcements

Air Pollution Action Day:

Wednesday, June 29

Today, Wednesday, June 29, the air quality is forecasted to reach unhealthy levels. Residents of the Metropolitan Chicago area are asked to take actions to reduce ozone and particle pollution.

Suggested actions include:

1. Limit driving. Rideshare, carpool, walk or bike.
2. Take public transportation.
3. If you must drive, avoid excessive idling, abrupt starts and use I-PASS.
4. Refuel your vehicle after 7 P.M., when sunlight is not as strong.
5. Do not use gasoline powered recreational vehicles on Action Days.
6. Postpone lawn mowing and gardening chores that use gasoline-powered equipment on Action Days.
7. Use a charcoal chimney or electric starter instead of lighter fluid when starting a barbeque grill.
8. Limit use of household and personal

DOE Press Release, June 28, 2005

U.S. Statements on International Fusion Reactor (ITER) Siting Decision

WASHINGTON, DC – Today in Moscow, Russia, the ministers representing the six ITER parties, including Dr. Raymond L. Orbach, Director of the U.S. Department of Energy's Office of Science, announced the ITER international fusion reactor will be located at the EU site in Cadarache, France. Below are statements by U.S. government officials following the signing of the agreement at the Ministerial Meeting. The text of the announcement by the six parties is [available online](#).

[Read more](#)

From *The Chronicle of High Education*, July 1, 2005

A Day in the Life, Subatomically Speaking

Bloggers from around the world give a voice to particle physics

By Richard Monastersky

Perhaps you are one of the millions of physics wannabes in academe, toiling away as a tenured wage slave in an economics department or squirming in your endowed chair in art history.

Maybe you fall asleep at night moaning, "Why didn't I pursue my passion for pions and love of leptons, instead of trying to cure cancer?"

For you and other tortured souls, salvation is at hand. You can now live out your physics fantasies online, through the vicarious thrills of Quantum Diaries.

[Read more](#)

products that cause fumes.

9. Conserve energy at home to reduce energy needs from power plants.

10. Do not burn leaves or other yard waste.

11. Postpone burning wood in fireplaces on Action Days.

Artist Jan-Henrick Andersen Speaks at Colloquium on Wednesday

Artist and industrial designer Jan-Henrik Andersen will be speaking about his exhibit, *Sized Matter: Perception of the Extreme Unseen*, on Wednesday, June 29. From 4-5 p.m. in 1 West, Andersen will explain his artistic representation of the Standard Model particles in a lecture entitled *From Mathematics to Aesthetic Coherence*. A reception for the artist in Wilson Hall will follow the colloquium. Both events will be open to the public. *Sized Matter* is currently hanging in the [Fermilab Art Gallery](#).

[more information](#)

Unix Users Meeting

The next Unix Users Meeting will be on Wednesday, June 29 from 1:00 pm to 2:30pm in Curia II.

Agenda:

1. RSS feeds by Dave Ritchie
2. Auto blocking by Randy Reitz
3. SLF update by Connie Sieh

Yin-e Sun's Thesis Online

Yesterday's article about Yin-e Sun's award-winning paper, *Effects on Flat-Beam Generation from Space-Charge Force and Beamline Errors*, did not include a link to the thesis. The paper can be accessed in its entirety through [Fermilab's Information Resources Department](#). Sun's University of Chicago Ph.D. thesis is also on the subject of

beam dynamics and can be [accessed online](#).

[Upcoming Activities](#)